

**Flood Control Project Maintenance
Levee Inspections**

Fall 2011 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin

RD2062	Overall LMA Rating	Total LMA Miles				
Reclamation District No. 2062 Stewart	U	12.35				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
<i>Earthen Levee</i>						
Vegetation	0.01		0.01	0.08%		
Encroachments	1.81		1.81	14.66%		
Animal Control	0.09		0.09	0.73%		
Slope Stability	0.01		0.01	0.08%		
Erosion / Bank Caving	0.03		0.03	0.24%		
Crown Surface / Depressions / Rutting	0.01	0.22	0.89	7.21%		
<i>Supplemental</i>						
DWR Erosion Survey	0.15	0.21	0.99	8.02%		
<i>LMA Totals:</i>	2.11	0.43	3.83	31.01%	0.00	0.00

Unit No. 01 San Joaquin River LB	Overall Unit Rating	Total Unit Miles				
RD2062	U	2.69				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
<i>Earthen Levee</i>						
Animal Control	0.04		0.04	1.49%		
Slope Stability	0.01		0.01	0.37%		
Erosion / Bank Caving	0.02		0.02	0.74%		
Crown Surface / Depressions / Rutting		0.22	0.88	32.71%		
<i>Supplemental</i>						
DWR Erosion Survey	0.01		0.01	0.37%		
<i>Unit Totals:</i>	0.08	0.22	0.96	35.69%	0.00	0.00

Unit No. 02 Paradise Cut RB	Overall Unit Rating	Total Unit Miles				
RD2062	U	4.03				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
<i>Earthen Levee</i>						
Encroachments	1.78		1.78	44.17%		
Animal Control	0.04		0.04	0.99%		
Crown Surface / Depressions / Rutting	0.01		0.01	0.25%		
<i>Supplemental</i>						
DWR Erosion Survey	0.11		0.11	2.73%		
<i>Unit Totals:</i>	1.94	0.00	1.94	48.14%	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**

Fall 2011 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin (cont.)

Unit No. 03 Old River LB		Overall Unit Rating	Total Unit Miles				
RD2062		M	5.63				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments		
					PO Miles	CO Miles	
Earthen Levee							
Vegetation	0.01		0.01	0.18%			
Encroachments	0.03		0.03	0.53%			
Animal Control	0.01		0.01	0.18%			
Erosion / Bank Caving	0.01		0.01	0.18%			
Supplemental							
DWR Erosion Survey	0.03	0.21	0.87	15.45%			
Unit Totals:	0.09	0.21	0.93	16.52%	0.00	0.00	

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2011 Levee Inspection Results

Reclamation District No. 2062 Stewart

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			U	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2011 Levee Inspection Results

Reclamation District No. 2062 Stewart

Waterway			Bank	Unit Miles
Unit No. 01 San Joaquin River			Left	2.69

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	5/11/2011 - 5/11/2011		10/20/2011 - 10/20/2011	
DWR Inspector	Jim Eto		Jim Eto	
Accompanied By	Ramon Batista RD 2062		Ramon Batista RD 2062	
	Michael Moncrief MBK		Michael Moncrief MBK	

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Suite 200
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.69	10/20/2011 10/20/2011	Jim Eto

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.49	0.49	Earthen Levee	Animal Control	CR	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: 2 burrows, which may be cause of erosion at this location.	37.804807 ° -121.320754 °	37.804807 ° -121.320754 °	4 Y
2	0.50	0.50	Earthen Levee	Erosion / Bank Caving	WS	M	Schedule repair of erosion site prior to the next inspection. Inspector Comments: Erosion taking place at edge of crown.	37.804716 ° -121.320511 °	37.804716 ° -121.320511 °	3 Y
3	0.57	0.57	Earthen Levee	Erosion / Bank Caving	WS	M	Schedule repair of erosion site prior to the next inspection. Inspector Comments: Levee crown is approximately 100' at this point.	37.805106 ° -121.319154 °	37.805106 ° -121.319154 °	6 Y
4	0.81	0.81	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps.	37.804747 ° -121.315183 °	37.804747 ° -121.315183 °	7
5	0.84	0.84	Earthen Levee	Crown Surface / Depressions / Rutting	CR	C	Regrade the crown roadway for proper drainage.	37.804580 ° -121.314720 °	37.804580 ° -121.314720 °	8
6	0.91	0.91	Supplemental	DWR Erosion Survey	WS	M	Inspector Comments: 08/23/2011: No significant changes observed on site. Vegetation on the slope. There is a bridge construction site just upstream of the erosion. The impact of the construction may need to be monitored. 09/07/2010: No significant changes observed on site. Sloughing of the existing rip rap revetment on the lower slope has developed into an erosion pocket. There is moderate annual grass growth on the slope.08/06/2010: Recommended as local maintenance issue, per CLRO.03/09/2010: Per Michael Moncrief of MBK, site is scheduled for repair this year.2009: Landside ground surface has been raised to the height of the levee crown; sloughing of the existing rip rap revetment on the lower slope that has created a pocket, exposing underlying soil; Site # is the same RM54.34,LM1.08; previously rated "M".2006: Previously marked with stake. [2011 Site ID:RD2062U01RM54.14]	37.804080 ° -121.314060 °	37.804080 ° -121.314060 °	1 Y
7	1.18	1.40	Earthen Levee	Crown Surface / Depressions / Rutting	CR	U	Regrade the crown roadway for proper drainage. Inspector Comments: High shoulder and slope of road will cause deep ponding. Approximately 1' deep.	37.800147 ° -121.313703 °	37.797164 ° -121.313976 °	15 Y
8	1.55	1.55	Earthen Levee	Animal Control	WS	C	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.795102 ° -121.315068 °	37.795102 ° -121.315068 °	9
9	1.67	1.67	Earthen Levee	Encroachments	WS	W	Pipe	37.793516 ° -121.315335 °	37.793516 ° -121.315335 °	10
10	1.83	1.83	Earthen Levee	Animal Control	WS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.791873 ° -121.313350 °	37.791873 ° -121.313350 °	11 Y

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing N : Not Inspected, see Inspector Comment C : Corrected
M : Minimally Acceptable CO : Completely Obstructing
U : Unacceptable W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2062 Stewart

Waterway					Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River					Left	2.69	10/20/2011 10/20/2011	Jim Eto

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
11	1.83	1.83	Earthen Levee	Animal Control	WS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.791875 ° -121.312745 °	37.791875 ° -121.312745 °	16
12	1.85	1.85	Earthen Levee	Animal Control	WS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.791798 ° -121.312904 °	37.791798 ° -121.312904 °	12
13	2.10	2.10	Earthen Levee	Slope Stability	WS	M	Repair the levee slope damaged by vehicle traffic and prevent access where possible. Inspector Comments: Damage at hinge point appears to be caused by heavy equipment traffic.	37.793656 ° -121.309610 °	37.793656 ° -121.309610 °	13 Y
14	2.12	2.12	Earthen Levee	Animal Control	CR	C	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.794263 ° -121.308753 °	37.794263 ° -121.308753 °	14
15	2.24	2.26	Supplemental	DWR Erosion Survey	WS	C	Inspector Comments: 08/23/2011: No new erosion activity visible. The site is removed from the watchlist.09/07/2010: After further review of site, it will be removed from the inventory. Erosion is minimal. There is sufficient berm to provide levee protection. Annual vegetation also provides added protection.08/06/2010: Recommended for annual assessment and monitoring during flood events, per CLRO.03/09/2010: As discussed with Michael Moncrief of MBK, site will be removed from list; there is wide berm with thick vegetation.2009: Not visited; portion of the rip rap has slipped ,leaving an exposed section; there is dense vegetation surrounding site; landside ground surface has been raised to height of levee crown; Site # same as RM55.75,LM2.25; previously rated "U".09/14/2006: Pocket erosion approximately 0.3-0.4 miles downstream from SPRR Bridge. [2011 Site ID:RD2062U01RM55.57]	37.793120 ° -121.308110 °	37.793120 ° -121.308110 °	2

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.69	10/20/2011 10/20/2011	Jim Eto

Levee Mile Report Line	1
Start Levee Mile	0.49
End Levee Mile	0.49
Location	Crown
Category	Earthen Levee
Item	Animal Control
10/21/2011 Photo of burrow on crown, photo was taken day after inspection.	
jeto_f_20111031_495.jpg	



Levee Mile Report Line	2
Start Levee Mile	0.50
End Levee Mile	0.50
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving
05/11/2011 Erosion at crown, vegetation shown at top of erosion is being supported by silt fence.	
jeto_f_20110923_166.jpg	



Levee Mile Report Line	2
Start Levee Mile	0.50
End Levee Mile	0.50
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving
10/21/2011 Erosion at crown, issue first noted in Spring 2011 inspection.	
jeto_f_20111031_496.jpg	

*** Location**

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**Flood Control Project Maintenance
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Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.69	10/20/2011 10/20/2011	Jim Eto

Levee Mile Report Line	3
Start Levee Mile	0.57
End Levee Mile	0.57
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving
05/11/2011 Erosion begins at crown, stakes shown in photo are supporting a silt fence. Silt fence is supporting soil and vegetation at crown.	
jeto_f_20110923_167.jpg	



Levee Mile Report Line	3
Start Levee Mile	0.57
End Levee Mile	0.57
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving
10/21/2011 Photo is taken from levee crown, issue has still not been addressed. Issue was noted in the Spring 2011 inspection.	
jeto_f_20111031_497.jpg	



Levee Mile Report Line	6
Start Levee Mile	0.91
End Levee Mile	0.91
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey
Front view of the erosion	
SJR2011_RD2062U01RM54.14_1.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor	N : Not Inspected, see Inspector Comment C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.69	10/20/2011 10/20/2011	Jim Eto

Levee Mile Report Line	6
Start Levee Mile	0.91
End Levee Mile	0.91
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Front view of the rip rap

SJR2011_RD2062U01RM54.14_2.jpg



Levee Mile Report Line	7
Start Levee Mile	1.18
End Levee Mile	1.40
Location	Crown
Category	Earthen Levee
Item	Crown Surface / Depressions / Rutting

10/20/2011 Berm is forming on the waterside edge of the crown. Berm is approximately 1' high in places.

jeto_f_20111024_491.jpg



Levee Mile Report Line	10
Start Levee Mile	1.83
End Levee Mile	1.83
Location	Water Side
Category	Earthen Levee
Item	Animal Control

10/20/2011 Large burrow located on waterside slope of levee.

jeto_f_20111024_492.jpg



*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.69	10/20/2011 10/20/2011	Jim Eto

Levee Mile Report Line	10
Start Levee Mile	1.83
End Levee Mile	1.83
Location	Water Side
Category	Earthen Levee
Item	Animal Control
10/20/2011 Large burrow located near crown on waterside slope of levee.	
jeto_f_20111024_493.jpg	



Levee Mile Report Line	10
Start Levee Mile	1.83
End Levee Mile	1.83
Location	Water Side
Category	Earthen Levee
Item	Animal Control
10/20/2011 Large burrow located on waterside slope of levee.	
jeto_f_20111024_494.jpg	



Levee Mile Report Line	13
Start Levee Mile	2.10
End Levee Mile	2.10
Location	Water Side
Category	Earthen Levee
Item	Slope Stability
05/11/2011 Damage seen in photo continues down the slope as if area was being used by equipment to access the bank.	
jeto_f_20110923_168.jpg	

*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2011 Levee Inspection Results

Reclamation District No. 2062 Stewart

Waterway			Bank	Unit Miles
Unit No. 02 Paradise Cut			Right	4.03
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	5/11/2011 - 5/11/2011		10/20/2011 - 10/20/2011	
DWR Inspector	Jim Eto		Jim Eto	
Accompanied By	Michael Moncrief MBK		Michael Moncrief MBK	
	Ramon Batista RD 2062		Ramon Batista RD 2062	

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
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Comments

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DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Suite 200
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2062 Stewart

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut							Right	4.03	10/20/2011 10/20/2011	Jim Eto
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.11	0.49	Earthen Levee	Encroachments	WS	M	Agricultural tilling Inspector Comments: Discing for weed control is creating a 2' scarp.	37.778969 ° -121.334198 °	37.783406 ° -121.338086 °	4 Y
2	0.57	0.57	Earthen Levee	Encroachments	LS	W	Pipe Inspector Comments: Drainage discharge pipe to Paradise Cut.	37.784356 ° -121.338975 °	37.784356 ° -121.338975 °	5
3	0.76	0.76	Earthen Levee	Encroachments	WS	W	Pipe	37.786122 ° -121.341572 °	37.786122 ° -121.341572 °	8
4	1.40	1.40	Earthen Levee	Encroachments	WS	W	Pipe Inspector Comments: Irrigation intake from Paradise Cut.	37.791831 ° -121.350424 °	37.791831 ° -121.350424 °	10
5	1.67	1.67	Earthen Levee	Encroachments	WS	W	Pipe Inspector Comments: Two irrigation intakes.	37.794032 ° -121.354406 °	37.794032 ° -121.354406 °	11
6	1.99	1.99	Earthen Levee	Animal Control	WS	C	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Active burrow evident.	37.796622 ° -121.359199 °	37.796622 ° -121.359199 °	7
7	2.04	2.04	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Burrow activity that appears to be active, no rodents seen.	37.797060 ° -121.359929 °	37.797060 ° -121.359929 °	12 Y
8	2.10	2.10	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Single large burrow, appears to be active.	37.797558 ° -121.360815 °	37.797558 ° -121.360815 °	18 Y
9	2.19	2.19	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Large single active burrow.	37.798304 ° -121.362138 °	37.798304 ° -121.362138 °	19 Y
10	2.19	2.19	Earthen Levee	Animal Control	WS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Single active burrow on water side.	37.798304 ° -121.362138 °	37.798304 ° -121.362138 °	20
11	2.54	3.94	Earthen Levee	Encroachments	LS	M	Agricultural tilling Inspector Comments: Discing of the levee slope is the district's vegetation control method. Over time this could degrade the levee slope and create an integrity issue.	37.801211 ° -121.367142 °	37.808230 ° -121.390260 °	6 Y
12	2.81	2.81	Earthen Levee	Crown Surface / Depressions / Rutting	LS	M	Add appropriate gravel or road base. Grade and compact. Inspector Comments: Minor pothole that needs to be filled before it gets worse.	37.803447 ° -121.371092 °	37.803447 ° -121.371092 °	21 Y
13	2.89	2.89	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps. Inspector Comments: Three small tree stumps.	37.803827 ° -121.372424 °	37.803827 ° -121.372424 °	3 Y

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing N : Not Inspected, see Inspector Comment C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2062 Stewart

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut							Right	4.03	10/20/2011 10/20/2011	Jim Eto
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
14	2.94	2.94	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps. Inspector Comments: Four small oak stumps on levee slope.	37.804060 ° -121.373245 °	37.804060 ° -121.373245 °	13
15	3.03	3.03	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps.	37.804452 ° -121.374903 °	37.804452 ° -121.374903 °	14
16	3.07	3.07	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps.	37.804481 ° -121.375510 °	37.804481 ° -121.375510 °	15
17	3.12	3.12	Earthen Levee	Trim / Thin Trees	LS	N	Tree stumps. Inspector Comments: Four small stumps on levee slope.	37.804473 ° -121.376528 °	37.804473 ° -121.376528 °	16
18	3.27	3.28	Supplemental	DWR Erosion Survey	WS	M	Inspector Comments: 09/02/2011: : No significant changes observed on site from last visit.09/22/2010: No significant changes observed on site. The fencing located on the berm was removed. Levee slope and berm area 10 feet from the levee toe are bare of any vegetation. The 1- to 2 feet of near-vertical scarp on the levee toe is unchanged.03/09/2010: As discussed with Michael Moncrief of MBK Engineer, the district will address the site this year.7/27/2009: 1 to 2 feet of near-vertical scarp on the levee toe; damage was most likely caused by agricultural equipment during clearing or tilling operation; this is a maintenance-related issue. [2011 Site ID:RD2062U02RM2.14]	37.804604 ° -121.379454 °	37.804604 ° -121.379454 °	2 Y
19	3.30	3.30	Earthen Levee	Encroachments	LS	W	Pipe Inspector Comments: Two discharge pipes. Third pipe was capped and plugged. Project to relocate pumps because of seepage boils, was permitted.	37.804748 ° -121.379697 °	37.804748 ° -121.379697 °	17
20	3.44	3.53	Supplemental	DWR Erosion Survey	WS	M	Inspector Comments: 09/02/2011: No significant changes observed on site from the previous visit.09/22/2010: No significant changes observed on site. The foot-high near-vertical scarp still exists on levee toe. There is little to no vegetation on the slope.03/09/2010: As discussed with Michael Moncrief of MBK, site will be addressed this year.07/27/2009: 1 to 2 feet of near-vertical scarp on levee toe; damage was most likely caused by farming equipment during clearing or tilling operation; this is a maintenance-related issue. [2011 Site ID:RD2062U02RM1.94]	37.805422 ° -121.383173 °	37.805422 ° -121.383173 °	1 Y
21	3.68	3.68	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps. Inspector Comments: Small stump on slope.	37.806231 ° -121.386209 °	37.806231 ° -121.386209 °	9 Y

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
W : Watch/Monitor

N : Not Inspected, see Inspector Comment
C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	4.03	10/20/2011 10/20/2011	Jim Eto

Levee Mile Report Line	1
Start Levee Mile	0.11
End Levee Mile	0.49
Location	Water Side
Category	Earthen Levee
Item	Encroachments

10/20/2011 Photo shows issue caused by discing (left side of photo) of the weeds on the waterside.

jeto_f_20111024_480.jpg



Levee Mile Report Line	7
Start Levee Mile	2.04
End Levee Mile	2.04
Location	Land Side
Category	Earthen Levee
Item	Animal Control

10/20/2011 Active burrow located next to vegetation in photo.

jeto_f_20111024_481.jpg



Levee Mile Report Line	8
Start Levee Mile	2.10
End Levee Mile	2.10
Location	Land Side
Category	Earthen Levee
Item	Animal Control

10/20/2011 Photo shows single large burrow, which appears to be active.

jeto_f_20111024_482.jpg



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor	N : Not Inspected, see Inspector Comment C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	4.03	10/20/2011 10/20/2011	Jim Eto

Levee Mile Report Line	9
Start Levee Mile	2.19
End Levee Mile	2.19
Location	Land Side
Category	Earthen Levee
Item	Animal Control
10/20/211 Single large burrow on landside, appears to be active.	
jeto_f_20111024_483.jpg	



Levee Mile Report Line	11
Start Levee Mile	2.54
End Levee Mile	3.94
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Discing on levee slopes has created a substantial vertical scarp.	
jeto_f_20110923_178.jpg	



Levee Mile Report Line	11
Start Levee Mile	2.54
End Levee Mile	3.94
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Discing on levee slopes has created two substantial vertical scarps.	
jeto_f_20110923_179.jpg	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
W : Watch/Monitor

N : Not Inspected, see Inspector Comment C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	4.03	10/20/2011 10/20/2011	Jim Eto

Levee Mile Report Line	12
Start Levee Mile	2.81
End Levee Mile	2.81
Location	Water Side
Category	Earthen Levee
Item	Crown Surface / Depressions / Rutting
10/20/2011 Minor pothole, shows evidence of holding water.	
jeto_f_20111024_484.jpg	



Levee Mile Report Line	13
Start Levee Mile	2.89
End Levee Mile	2.89
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees
Three small stumps on levee slope.	
jeto_f_20110923_177.jpg	



Levee Mile Report Line	18
Start Levee Mile	3.27
End Levee Mile	3.28
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey
Downstream view of scarp caused by a maintenance equipment.	
SJR2011_RD2062U02RM2.14_1.jpg	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
W : Watch/Monitor

N : Not Inspected, see Inspector Comment C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	4.03	10/20/2011 10/20/2011	Jim Eto

Levee Mile Report Line	18
Start Levee Mile	3.27
End Levee Mile	3.28
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Upstream view of scarp.

SJR2011_RD2062U02RM2.14_2.jpg



Levee Mile Report Line	18
Start Levee Mile	3.27
End Levee Mile	3.28
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Upstream view of site.

SJR2011_RD2062U02RM2.14_3.jpg



Levee Mile Report Line	18
Start Levee Mile	3.27
End Levee Mile	3.28
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Downstream view of site.

SJR2011_RD2062U02RM2.14_4.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
W : Watch/Monitor

N : Not Inspected, see Inspector Comment C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	4.03	10/20/2011 10/20/2011	Jim Eto

Levee Mile Report Line	20
Start Levee Mile	3.44
End Levee Mile	3.53
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Downstream view of site. Note the vertical scarp at the toe.

SJR2011_RD2062U02RM1.94_1.jpg



Levee Mile Report Line	20
Start Levee Mile	3.44
End Levee Mile	3.53
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Direct view of site.

SJR2011_RD2062U02RM1.94_2.jpg



Levee Mile Report Line	20
Start Levee Mile	3.44
End Levee Mile	3.53
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Upstream view of site.

SJR2011_RD2062U02RM1.94_3.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
W : Watch/Monitor

N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	4.03	10/20/2011 10/20/2011	Jim Eto

Levee Mile Report Line	20
Start Levee Mile	3.44
End Levee Mile	3.53
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Upstream view of site.

SJR2011_RD2062U02RM1.94_4.jpg



Levee Mile Report Line	21
Start Levee Mile	3.68
End Levee Mile	3.68
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

05/11/2011 Small stump in waterside slope.

jeto_f_20110923_180.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing N : Not Inspected, see Inspector Comment C : Corrected
M : Minimally Acceptable CO : Completely Obstructing
U : Unacceptable W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2011 Levee Inspection Results

Reclamation District No. 2062 Stewart

Waterway			Bank	Unit Miles
Unit No. 03 Old River			Left	5.63

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			M	
Date of Inspection	5/11/2011 - 5/11/2011		10/20/2011 - 10/20/2011	
DWR Inspector	Jim Eto		Jim Eto	
Accompanied By	Ramon Batista RD 2062		Ramon Batista RD 2062	
	Michael Moncrief MBK		Michael Moncrief MBK	

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Suite 200
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.63	10/20/2011 10/20/2011	Jim Eto

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
1	-0.03	0.07	Supplemental	DWR Erosion Survey	WS	U	Inspector Comments: 08/23/2011: Site is at the upstream of a drainage ditch. [2011 Site ID:RD2062U03RM29.93]	37.809673 ° -121.390321 °	37.809673 ° -121.390321 °	1 Y
2	0.03	0.03	Earthen Levee	Trim / Thin Trees	WS	C	Trim trees to at least five feet above ground level.	37.809375 ° -121.390392 °	37.809375 ° -121.390392 °	3
3	0.10	0.11	Supplemental	DWR Erosion Survey	WS	M	Inspector Comments: 08/23/2011: Hard to view the erosion because of the dense vegetation and trees on site. The site is under the bush, close to the tree. [2011 Site ID:RD2062U03RM30.02]	37.810052 ° -121.388847 °	37.810052 ° -121.388847 °	2 Y
4	0.17	0.17	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps.	37.810194 ° -121.387602 °	37.810194 ° -121.387602 °	6
5	0.18	0.18	Supplemental	DWR Erosion Survey	WS	U	Inspector Comments: 08/23/2011: The protection at the levee toe has been washed away. [2011 Site ID:RD2062U03RM30.1]	37.810468 ° -121.387492 °	37.810468 ° -121.387492 °	4 Y
6	0.23	0.32	Supplemental	DWR Erosion Survey	WS	U	Inspector Comments: 08/23/2011: No significant changes observed on site. Dense vegetation visible along the water line. 09/07/2010: No significant changes observed on site. Much of the upper slope was recently cleared of vegetation by spraying. 4- to 6-foot vertical scarp and pocket erosions are lined along a span of 475 feet. In some sections, the vertical scarp encroaches into the levee prism. There is a lack of berm along this reach, exposing the levee slope to high flow velocities during normal and flood events. 08/06/2010: Recommended as local maintenance issue, per CLRO. 03/09/2010: As discussed with Michael Moncrief of MBK Engineers, the site will be 'addressed' later this year. 09/29/2009: No major change observed since last visit; pocket erosion and a vertical scarp forming; this site was combined with Site RM30.13 and 30.02 with a combined total erosion length of 475 feet; recommended as annual assessment and monitoring of site, per CLRO CES Evaluation 2008 Report; previously rated "M". 11/05/2008: Top of vertical scarp has rip rap that appears to be sliding; rodent holes; existing toe rip rap. [2011 Site ID:RD2062U03RM30.19]	37.810609 ° -121.385879 °	37.810609 ° -121.385879 °	5 Y
7	0.35	0.35	Supplemental	DWR Erosion Survey	WS	U	Inspector Comments: 08/23/2011: The site is right at the downstream of a river bend. [2011 Site ID:RD2062U03RM30.27]	37.811281 ° -121.384461 °	37.811281 ° -121.384461 °	24 Y

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing N : Not Inspected, see Inspector Comment C : Corrected
M : Minimally Acceptable CO : Completely Obstructing
U : Unacceptable W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2062 Stewart

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River				Left	5.63	10/20/2011 10/20/2011	Jim Eto

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
8	0.46	0.46	Earthen Levee	Encroachments	WS	M	Prunings Inspector Comments: Bamboo prunings left on levee slope. 10/20/2011 Prunings are still present. 05/11/2011 Prunings are still present, item first noted in Fall 2010 inspection.	37.811805 ° -121.382932 °	37.811805 ° -121.382932 °	8 Y
9	0.56	0.57	Supplemental	DWR Erosion Survey	WS	U	Inspector Comments: 08/23/2011: No significant changes observed on site.09/07/2010: No significant changes observed on site. Much of the placed rip rap revetment has slid. It is no longer adequately protecting the slope.08/06/2010: Recommended as local maintenance issue, per CLRO Report.03/09/2010: As discussed with Michael Moncrief of MBK, site will be 'addressed' this year.09/29/2009: No major change observed since last visit; a section of the rip rap has slipped, exposing a levee section that has eroded; recommended as local maintenance issue, per CLRO CES Evaluation 2008 Report; Site # is the same as RM30.43,LM0.63; previously rated "U". 11/05/2008: Site is located inside of a bend; scarp looks to be into the levee prism; piles of concrete chunks placed on the slope, with some of them already starting to slide. [2011 Site ID:RD2062U03RM30.43]	37.813070 ° -121.383100 °	37.813070 ° -121.383100 °	27 Y
10	0.56	0.56	Earthen Levee	Encroachments	WS	M	Debris Inspector Comments: Trash and debris needs to be removed.	37.813214 ° -121.382989 °	37.813214 ° -121.382989 °	9 Y
11	0.61	0.61	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps. Inspector Comments: Stump in slope.	37.813570 ° -121.382094 °	37.813570 ° -121.382094 °	10 Y
12	0.65	0.65	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps. Inspector Comments: 2 stumps on waterside slope.	37.813894 ° -121.381680 °	37.813894 ° -121.381680 °	12
13	0.82	0.82	Earthen Levee	Erosion / Bank Caving	WS	M	Schedule repair of erosion site prior to the next inspection.	37.816315 ° -121.381587 °	37.816315 ° -121.381587 °	11 Y

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing N : Not Inspected, see Inspector Comment C : Corrected
M : Minimally Acceptable CO : Completely Obstructing
U : Unacceptable W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.63	10/20/2011 10/20/2011	Jim Eto

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

14	1.20	1.21	Supplemental	DWR Erosion Survey	WS	M	Inspector Comments: 08/23/2011: No significant changes observed on site.09/07/2010: No significant changes observed on site. Much of the seasonal grass along the slope was cleared. Site consists of an existing scalloped erosion approximately 30 feet long by 5 feet wide at its widest opening. The lateral crack is extended outwards along the middle slope. There is a 1 to 2 feet of differential settlement that could further develop into a shallow slide.08/06/2010: Recommended as local maintenance issue, per CLRO.03/09/2010: As discussed with Michael Moncrief of MBK Engineer, site will be 'addressed' this year.09/28/2009: No major change observed; section of rip rap has slipped, creating a terraced effect; dense vegetation growth; recommended as a local maintenance issue, per CLRO CES Evaluation 2008 Report; Site # is the same as RM31.12,LM1.25; previously rated "U".09/14/2006: 1-2' into prism. [2011 Site ID:RD2062U03RM31.12]	37.819290 ° -121.378880 °	37.819290 ° -121.378880 °	29 Y
15	1.27	1.27	Earthen Levee	Encroachments	LS	C	Prunings Inspector Comments: Tree prunings on landside levee slope.	37.819711 ° -121.377490 °	37.819711 ° -121.377490 °	36
16	1.37	1.37	Earthen Levee	Encroachments	LS	M	Prunings Inspector Comments: Prunings on levee slope	37.820885 ° -121.376986 °	37.820885 ° -121.376986 °	17
17	1.37	1.37	Earthen Levee	Vegetation	WS	M	Elderberries are blocking visibility and flood fight capability. Inspector Comments: Elderberry bush blocks visibility.	37.820885 ° -121.376986 °	37.820885 ° -121.376986 °	18 Y
18	1.42	1.43	Supplemental	DWR Erosion Survey	WS	M	Inspector Comments: 08/23/2011: No significant changes observed on site.09/07/2010: No significant changes observed on site. There is a small- to medium sized Oak tree on the mid-slope just above rip rap. Some of the rip rap has collapsed, creating a pocket erosion just above the existing toe rip rap and upstream of the Oak tree.08/06/2010: Recommended as local maintenance issue, per CLRO.03/09/2010: As discussed with Michael Moncrief of MBK Engineer, site will be 'adressed' in 2010.09/29/2009: No major change since last visit; sliding of the rip rap at the base of the lone tree; there is noticeable man-made trail and foot traffic extending from the crown to the toe; much of the broken concrete used as temporary rip rap has slid, exposing portion of the bare levee slope; recommended as local maintenance issue, per CLRO CES Evaluation 2008 Report; Site # is the same as RM31.3,LM1.45; previously rated "M".11/05/2008: Portion of rip rap collapsing.09/14/2006: Portion of rip rap along the slope has collapsed; exposed levee section is starting to erode, exposing roots from the nearby tree. [2011 Site ID:RD2062U03RM31.28]	37.821380 ° -121.376900 °	37.821380 ° -121.376900 °	30 Y

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor	N : Not Inspected, see Inspector Comment C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2062 Stewart

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River				Left	5.63	10/20/2011 10/20/2011	Jim Eto

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
19	1.44	1.44	Earthen Levee	Encroachments	LS	C	Prunings	37.821600 ° -121.376308 °	37.821600 ° -121.376308 °	13
20	1.52	1.52	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps.	37.821388 ° -121.374947 °	37.821388 ° -121.374947 °	14
21	1.67	1.67	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps.	37.820890 ° -121.372227 °	37.820890 ° -121.372227 °	15
22	1.78	1.78	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps.	37.820902 ° -121.370565 °	37.820902 ° -121.370565 °	16
23	2.15	2.15	Earthen Levee	Encroachments	WS	W	Pipe Inspector Comments: Irrigation intake.	37.818645 ° -121.364894 °	37.818645 ° -121.364894 °	19
24	2.37	2.37	Earthen Levee	Animal Control	LS	C	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.818813 ° -121.360997 °	37.818813 ° -121.360997 °	20
25	2.80	2.80	Earthen Levee	Encroachments	WS	W	Pipe Inspector Comments: Irrigation intake	37.816364 ° -121.354348 °	37.816364 ° -121.354348 °	21
26	2.83	2.83	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps.	37.816341 ° -121.354008 °	37.816341 ° -121.354008 °	22
27	2.84	2.87	Earthen Levee	Animal Control	LS	C	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.816203 ° -121.354063 °	37.816237 ° -121.353283 °	40
28	2.90	2.90	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps.	37.816330 ° -121.352775 °	37.816330 ° -121.352775 °	23
29	3.07	3.07	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps.	37.817791 ° -121.350088 °	37.817791 ° -121.350088 °	25
30	3.14	3.14	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps.	37.818532 ° -121.349510 °	37.818532 ° -121.349510 °	26
31	3.34	3.34	Earthen Levee	Animal Control	LS	C	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.819989 ° -121.347106 °	37.819989 ° -121.347106 °	41
32	3.44	3.44	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps.	37.819172 ° -121.345760 °	37.819172 ° -121.345760 °	28
33	4.16	4.16	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps.	37.820812 ° -121.338699 °	37.820812 ° -121.338699 °	33
34	4.82	4.82	Earthen Levee	Trim / Thin Trees	LS	N	Tree stumps. Inspector Comments: 14" stump on landside slope.	37.813986 ° -121.335821 °	37.813986 ° -121.335821 °	7 Y
35	4.83	4.83	Earthen Levee	Animal Control	WS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.812791 ° -121.336074 °	37.812791 ° -121.336074 °	43 Y
36	5.45	5.45	Earthen Levee	Encroachments	WS	W	Pipe Inspector Comments: Two large irrigation intake pumps and pipes.	37.807321 ° -121.331292 °	37.807321 ° -121.331292 °	34

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing N : Not Inspected, see Inspector Comment C : Corrected
M : Minimally Acceptable CO : Completely Obstructing
U : Unacceptable W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.63	10/20/2011 10/20/2011	Jim Eto

Levee Mile Report Line	1
Start Levee Mile	-0.03
End Levee Mile	0.07
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Front view of erosion at the most upstream of the site

SJR2011_RD2062U03RM29.93_1.jpg



Levee Mile Report Line	1
Start Levee Mile	-0.03
End Levee Mile	0.07
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Front view of the erosion

SJR2011_RD2062U03RM29.93_2.jpg



Levee Mile Report Line	1
Start Levee Mile	-0.03
End Levee Mile	0.07
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Upstream view of the erosion near the end of the site

SJR2011_RD2062U03RM29.93_3.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing N : Not Inspected, see Inspector Comment C : Corrected
M : Minimally Acceptable CO : Completely Obstructing
U : Unacceptable W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.63	10/20/2011 10/20/2011	Jim Eto

Levee Mile Report Line	1
Start Levee Mile	-0.03
End Levee Mile	0.07
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Front view of the erosion. Note the dense vegetation.

SJR2011_RD2062U03RM29.93_4.jpg



Levee Mile Report Line	3
Start Levee Mile	0.10
End Levee Mile	0.11
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Downstream view of the site

SJR2011_RD2062U03RM30.02_1.jpg



Levee Mile Report Line	3
Start Levee Mile	0.10
End Levee Mile	0.11
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Downstream view of the site

SJR2011_RD2062U03RM30.02_2.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
W : Watch/Monitor

N : Not Inspected, see Inspector Comment C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.63	10/20/2011 10/20/2011	Jim Eto

Levee Mile Report Line	3
Start Levee Mile	0.10
End Levee Mile	0.11
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Front view of the site. Note the vegetation and trees on site

SJR2011_RD2062U03RM30.02_3.jpg



Levee Mile Report Line	3
Start Levee Mile	0.10
End Levee Mile	0.11
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Front view of the site

SJR2011_RD2062U03RM30.02_4.jpg



Levee Mile Report Line	5
Start Levee Mile	0.18
End Levee Mile	0.18
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Direct view of the site. The erosion is vertical

SJR2011_RD2062U03RM30.1_1.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
W : Watch/Monitor

N : Not Inspected, see Inspector Comment C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.63	10/20/2011 10/20/2011	Jim Eto

Levee Mile Report Line	5
Start Levee Mile	0.18
End Levee Mile	0.18
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Front view of the erosion

SJR2011_RD2062U03RM30.1_2.jpg



Levee Mile Report Line	5
Start Levee Mile	0.18
End Levee Mile	0.18
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Front view of the erosion

SJR2011_RD2062U03RM30.1_3.jpg



Levee Mile Report Line	5
Start Levee Mile	0.18
End Levee Mile	0.18
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Front view of the site. Note the protection downstream of the erosion

SJR2011_RD2062U03RM30.1_4.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
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PO : Partially Obstructing
CO : Completely Obstructing
W : Watch/Monitor

N : Not Inspected, see Inspector Comment C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.63	10/20/2011 10/20/2011	Jim Eto

Levee Mile Report Line	6
Start Levee Mile	0.23
End Levee Mile	0.32
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey
Downstream view of the 5-ft vertical scarp .	
SJ2011_RD2062U03RM30.19_1.jpg	



Levee Mile Report Line	6
Start Levee Mile	0.23
End Levee Mile	0.32
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey
Another view of the same 5-ft scarp.	
SJ2011_RD2062U03RM30.19_2.jpg	



Levee Mile Report Line	6
Start Levee Mile	0.23
End Levee Mile	0.32
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey
Front view of the site with dense vegetation.	
SJ2011_RD2062U03RM30.19_3.jpg	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
W : Watch/Monitor

N : Not Inspected, see Inspector Comment C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.63	10/20/2011 10/20/2011	Jim Eto

Levee Mile Report Line	6
Start Levee Mile	0.23
End Levee Mile	0.32
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Front view of the site with dense vegetation

SJR2011_RD2062U03RM30.19_4.jpg



Levee Mile Report Line	7
Start Levee Mile	0.35
End Levee Mile	0.35
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Direct view of the erosion. Note the broken concrete near the site.

SJR2011_RD2062U03RM30.27_1.jpg



Levee Mile Report Line	7
Start Levee Mile	0.35
End Levee Mile	0.35
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

downstream view of the site

SJR2011_RD2062U03RM30.27_2.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
W : Watch/Monitor

N : Not Inspected, see Inspector Comment C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.63	10/20/2011 10/20/2011	Jim Eto

Levee Mile Report Line	7
Start Levee Mile	0.35
End Levee Mile	0.35
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Front view of the erosion. Note the protection at the upstream of the site.

SJR2011_RD2062U03RM30.27_3.jpg



Levee Mile Report Line	7
Start Levee Mile	0.35
End Levee Mile	0.35
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Front view of the site

SJR2011_RD2062U03RM30.27_4.jpg



Levee Mile Report Line	8
Start Levee Mile	0.46
End Levee Mile	0.46
Location	Water Side
Category	Earthen Levee
Item	Encroachments

05/11/2011 Bambo prunings have not been removed. This item was noted in the Fall 2010 inspection.

jeto_f_20110923_198.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
W : Watch/Monitor

N : Not Inspected, see Inspector Comment C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.63	10/20/2011 10/20/2011	Jim Eto

Levee Mile Report Line	8
Start Levee Mile	0.46
End Levee Mile	0.46
Location	Water Side
Category	Earthen Levee
Item	Encroachments
10/20/2011 Bamboo (Erundo) cuttings still present issue is not being addressed.	
jeto_f_20111024_485.jpg	



Levee Mile Report Line	9
Start Levee Mile	0.56
End Levee Mile	0.57
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey
Upstream view of the site.	
SJR2011_RD2062U03RM30.43_1.jpg	



Levee Mile Report Line	9
Start Levee Mile	0.56
End Levee Mile	0.57
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey
Front view of the site. Previously placed rip rap slipped, exposing the underlying soils and creating a pocket.	
SJR2011_RD2062U03RM30.43_2.jpg	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
W : Watch/Monitor

N : Not Inspected, see Inspector Comment C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.63	10/20/2011 10/20/2011	Jim Eto

Levee Mile Report Line	9
Start Levee Mile	0.56
End Levee Mile	0.57
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Front view of the site. Rip rap no longer adequately protecting levee slope.

SJR2011_RD2062U03RM30.43_3.jpg



Levee Mile Report Line	9
Start Levee Mile	0.56
End Levee Mile	0.57
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Downstream view of the site.

SJR2011_RD2062U03RM30.43_4.jpg



Levee Mile Report Line	10
Start Levee Mile	0.56
End Levee Mile	0.56
Location	Water Side
Category	Earthen Levee
Item	Encroachments

05/11/2011 Trash mixed in with concrete debris pile, needs to be removed.

jeto_f_20110923_199.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
W : Watch/Monitor

N : Not Inspected, see Inspector Comment C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.63	10/20/2011 10/20/2011	Jim Eto

Levee Mile Report Line	11
Start Levee Mile	0.61
End Levee Mile	0.61
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

05/11/2011 Stump in slope, new growth in center of photo is at the location of the stump.

jeto_f_20110923_200.jpg



Levee Mile Report Line	13
Start Levee Mile	0.82
End Levee Mile	0.82
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Slope erosion from crown surface runoff and foot traffic.

jeto_f_20110923_201.jpg



Levee Mile Report Line	13
Start Levee Mile	0.82
End Levee Mile	0.82
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

10/20/2011 Photo shows no change in condition since last reported in the Spring 2011 inspection.

jeto_f_20111024_486.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
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PO : Partially Obstructing
CO : Completely Obstructing
W : Watch/Monitor

N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.63	10/20/2011 10/20/2011	Jim Eto

Levee Mile Report Line	14
Start Levee Mile	1.20
End Levee Mile	1.21
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Front view of the site. Existing scalloped erosion is immediately downstream of rip rap section.

SJR2011_RD2062U03RM31.12_1.jpg



Levee Mile Report Line	14
Start Levee Mile	1.20
End Levee Mile	1.21
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Upstream view of the site

SJR2011_RD2062U03RM31.12_2.jpg



Levee Mile Report Line	14
Start Levee Mile	1.20
End Levee Mile	1.21
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Front view of the site. Note the lateral crack along the middle slope

SJR2011_RD2062U03RM31.12_3.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
W : Watch/Monitor

N : Not Inspected, see Inspector Comment C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.63	10/20/2011 10/20/2011	Jim Eto

Levee Mile Report Line	14
Start Levee Mile	1.20
End Levee Mile	1.21
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Front view of the site just above existing rip rap.

SJR2011_RD2062U03RM31.12_4.jpg



Levee Mile Report Line	17
Start Levee Mile	1.37
End Levee Mile	1.37
Location	Water Side
Category	Earthen Levee
Item	Vegetation

05/11/2011 Elderberry bush on water side slope.

jeto_f_20110923_202.jpg



Levee Mile Report Line	18
Start Levee Mile	1.42
End Levee Mile	1.43
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Upstream view of the site where a small to medium sized Oak tree is located.

SJR2011_RD2062U03RM31.28_1.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
W : Watch/Monitor

N : Not Inspected, see Inspector Comment C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.63	10/20/2011 10/20/2011	Jim Eto

Levee Mile Report Line	18
Start Levee Mile	1.42
End Levee Mile	1.43
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

A closer look of the site

SJR2011_RD2062U03RM31.28_2.jpg



Levee Mile Report Line	18
Start Levee Mile	1.42
End Levee Mile	1.43
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Front view of the site. Note existing broken concrete on the upper slope as well as on the lower slope and at the toe.

SJR2011_RD2062U03RM31.28_3.jpg



Levee Mile Report Line	18
Start Levee Mile	1.42
End Levee Mile	1.43
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Downstream view of the site.

SJR2011_RD2062U03RM31.28_4.jpg



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor	N : Not Inspected, see Inspector Comment C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Reclamation District No. 2062 Stewart

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.63	10/20/2011 10/20/2011	Jim Eto

Levee Mile Report Line	34
Start Levee Mile	4.82
End Levee Mile	4.82
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

10/21/2011 Photo taken the next day. Stump can be seen in the lower center of the photo.

jeto_f_20111031_499.jpg



Levee Mile Report Line	35
Start Levee Mile	4.83
End Levee Mile	4.83
Location	Water Side
Category	Earthen Levee
Item	Animal Control

Animal burrow on levee slope.

jeto_f_20110923_206.jpg



Levee Mile Report Line	35
Start Levee Mile	4.83
End Levee Mile	4.83
Location	Water Side
Category	Earthen Levee
Item	Animal Control

Animal burrows on levee slope.

jeto_f_20110923_207.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
W : Watch/Monitor

N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections****Levee Inspection Report By Mile - Fall 2011****Reclamation District No. 2062 Stewart**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Old River	Left	5.63	10/20/2011 10/20/2011	Jim Eto

*** Location**LS : Land Side
WS : Water Side
CR : Crown**** Rating**A : Acceptable PO : Partially Obstructing N : Not Inspected, see Inspector Comment C : Corrected
M : Minimally Acceptable CO : Completely Obstructing
U : Unacceptable W : Watch/Monitor